MUNICIPAL SANITATION.

Dr. John S. Billings in the May Forum. At the last meeting of the Public Health Association of Germany, in Wurzburg, each sember received a handsome volume entitled "Wurzburg, in-besondere seine Einrichtung fur Gesundheitspflege und Unterricht;" that care of public health and for education: a "Festschrift" or memorial volume, dedicated to the German Public Health Association, prepared at the request of the city, and published at its expense, by the sanitary association of

Warzburg is a university town of a little over 60,000 inhabitants, about the size of Wilmington. Del., or Dayton, Ohio; smaller than New Haven, Conn., or Cambridge, Mass. The "Festschrift" contains chapters on the geology, climatology, ground water, river, history, population and death rates of the city and on its water supply, sewerage, public baths, abattoirs, gas works, schools, hospitals, public disinfect-ing establishment, modes of caring for the dead, prison, parks, laboratory for examining suspected articles of food and drink and on the university and its laboratories and appendages. Some of these chapters are prepared by officers of the city, others by professors of the uniof the city, others by professors of the uni-versity, and those requiring it are well illus-trated by plans and views of the principal

It is, in short, a complete manual of Wurzburg in its sanitary and educational relations— such a book as every educated citizen of the place would be glad to possess, and as every parent who was thinking of sending his son to the university would wish to examine. We have nothing like it for any city in the United States, and it must be confessed that if any of our municipalities were to set about the preparation and publication of such a work the re-sults would probably not be very satisfactory when compared with the Wurzburg Festschrift. INTEREST AMONG CITIZENS.

The great majority of the dwellers in our cities have not heretofore taken any active personal interest in the sanitary condition of their respective towns. They may grumble occa-sionally when some nuisance is forced on their notice, but, as a rule, they look on the city as a sort of hotel, with the details of the management of which they have no desire to become equainted. They employ certain paid servants board of health or a health officer, whose busistop epidemics and to keep the death rate low: there are engineers to manage the water works, swage disposal, &c., and there are newspapers to criticise and instruct the authorities upon any and every possible subject connected with the cleanliness and healthfulness of the place. The individual citizen, if he thinks about the matter at all, usually concludes that this is all that need be done, and that if the results are not wholly satisfactory they must be accepted as the necessary outcome of olities or the weather, and do not involve him in any responsibility. Quite recently, how-ever, there seems to be a growing interest in sanitary matters in our cities, and people are asking whether the death rates are higher than they ought to be: whether the city is in good condition to resist the introduction or spread of cholera, and to what extent it is worth while to expend money to secure pure water. clean streets, odorless sewers, &c. It seems desirable that this curiosity should be gratified as far as possible wherever it exists, and to this end it is proposed to present to the renders of the Forum some information as to the healthfulness, sanitary condition and samiary needs of a few of our large cities. THE MEASURE OF HEALTHPULNESS

The best measure of the healthfulness of a given locality, whether it be a house, a block, ward or a city would be the amount of sickness in proportion to the population during a in rare instances, because we cannot ascertain the amount of sickness. The next best measare is the number of deaths which occur in each thousand years of life, that is, in a thousand people living one year, or one hundred people living ten years, in the locality, being only called the annual mortality To ascertain this we must have er of deaths recorded during the ar, or, better, during a series of years—and e mean population for the period in question; and to draw reliable and useful conclusions we must be able to calculate the death rates separately for infants, adults and old people, and for different parts of the city. Mere gross death rates for the total population of a whole city give us very little useful information. Take, for example, the following table of death rates of certain American cities for the year ending June 1, 1800, in which still-births are reckoned

| Cities.              | Death rate per<br>1,000. | Death rate nor<br>1,000 of children<br>under 5 years of<br>age. | Death rate per<br>1,000 of infants<br>under I year of |
|----------------------|--------------------------|---|---|
| Newark               | 29.04                    | 119.60  | 389.35  |
| New York (White      | 25.41                    | 116.75<br>87.33   | 367.82  |
| New Orleans Colored. | 36,61                    | 118 17  | 482.17  |
| Washington (White    | 19.79                    | 7 . 25  | 273.92  |
| FT_1/4/3E 17/4-      | 34.32                    | 205.20  | 696, 12   |
| Brooklyn             | 25.54                    | 100.22  | 3:4.43  |
| Coston               | 24.79                    | 102.27  | 320.00  |
| Baltimore White      | 200 61                   | 208 23  | 329 22  |
| San Francisco.       | 92 451                   | 80.14   | 714.08  |
| Philadelphia         | Get 437                  | SG NN   | 02.75   |
| Cincinnati           | 1347 342                 | 80.35   | 050 70  |
| Cieveland            | 21.95                    | 93.14   | 210.07  |
| Chicago              | 21.08                    | 85.58   | 235.90  |
| Detroit              | 20.42                    | 84.00   | 278,34  |
| Buffa a              | 119,00                   | 75.06   | 274.05  |
| et. Leuis.           | 19.14                    | 72.04   | 264.79  |
| Indianapolis         | 16.82                    | 78.82   | 274.15  |

It is evident that the proportion of colored people in a city makes a considerable difference in its death rate and that the proportion of in-fants present is a still more important factor. In every large city the death rate in certain districts is from two to three times as great it is in other districts; hence to obof a place, which will show where the danger-ons spots are and where remedies should be aped, we need to know the average population it the number of deaths for different districts. rate, or, in other words, scientific, means of trouble in a sick city or of telling whether the remedies are useful or not. We may guess and estimate and prescribe, as the doctors used to do before they learned how to count the pulse, and measure the temperature, and listen to the sounds of the large are the temperature. of the lungs and heart, but it is all a matter of opinion and rule of thumb, with great variations in size and shape of the said thumbs. A proper system of municipal bookkeeping, which will show for different parts of the city the quantity of, and loss and gain in life, is, therefore, a very important sanitary need of a large city. The subdivisions required for this purface, will not exactly be ward, because ward pose will not usually be wards, because ward boundaries are not formed with reference to altitude or drainage, or character of habitations, or other things which influence the healthfulness of a district. They should usually be smaller han wards, each including, as far as possible, a fairly homogeneous group of people, as, for example, a tenement house group, a waterside group, a best house group, &c.

THE DATA NECESSARY. Now, it should be distinctly understood that It is not an easy matter to obtain the information and keep the records required for such a set of books as has been indicated. There is not much difficulty in obtaining the records of deaths required, although even for this purpose constant vigilance is required to secure accurate returns as to age and cause of death, and, for persons dying in hospitals or public institutions, the proper locality to which tife death should be charged, but the great trouble to abrain the data as to the mean or average.

and agencies in most large cities of the United Kingdom, the continent and the United States. Its London office is at 128 Bishopgate street within E. C. The authorized capital £1,250,-1000; paid-up capital, £1,000,000; reserve fund, £670,000; reserve liability of shareholders, £1.-500,000.

Sir J. W. Downer, premier of South Austral of the United States. Its London office is at 128 Bishopgate street within E. C. The authorized capital £1,250,-1000; paid-up capital, £1,000,000; reserve fund, £670,000; reserve liability of shareholders, £1.-500,000. death should be charged, but the great trouble is to obtain the data as to the mean or average population of each group of ages in each district. No city in the United States has, or has ever had, such data for different parts of the city with the exception of the gross population by wards. In the eleventh census an attempt was made to provide such data for New York. Was made to provide such data for New York, Brooklyn, Philadelphia, Boston, Baltimore and Washington, and the result may be the commencement of this kind of local records: but each large city should from time to time, at least once in five years, obtain this information for itself, ascertaining for each house the name, sex, age, race and occupation of each inments. I fear that the success attending the abitant, and then compiling these by blocks or quares so as to be available for statistical material. Attempts to cheapen and simplify such a count by omitting details of age, race and occurred by one of the particular the success attending the will tend to weaken confidence in the banks which have not suspended." cupation are very poor economy; these details are required for many purposes in studies of means to improve the social condition, as well s of preventing unnecessary deaths, of the

The Growing Interest in Such Matters in

is, Wurzburg, especially its institutions for the having been badly planned, worse constructed postmaster, Mr. A. J. Almoney, took possession characteristics.

ing and bedding, and by the payment of a small fee can have the use of tubs, tables, hot and cold water, and drying facilities, and can also have a bath. In the evening males can also obtain baths there. Some of our cities have waterside swimming baths for summer where the meats can be inspected, and where all the nuisances and dangers connected with private slaughter houses can be either done way with or reduced to the lowest limits, are to be found in only three or four of our cities.

CONTAGIOUS DISEASE HOSPITAL. In the constant struggle of health officials to prevent the spread of such contagious diseases as diphtheria and scarlet fever there are few than hospitals specially calculated and set apart for the reception of this class of cases; yet very

Kate Clagett and Edie Waring of this place.
S. A. M few cities are provided with them. There may be a shabby, desolate, dog-kennel sort of a building known as the pest house, hastily erected during some former smallpox epidemic; but where is the place to which a lady living in a boarding house, or temporarily stopping in a motel, could take her child affected with scarlet fever? Philadelphia, Baltimore and Washington are now considering their needs in this respect, and a year or two hence it is to be hoped that they can give a satisfactory answer to this question. What is wanted is a neat, attractiveooking building with a number of private rooms, and at least three totally distinct and solated small wards for as many different kinds of contagious disease, where they will always be ready with clean and thoroughly disinfected rooms, bedding and appliances to take the best possible care of a dangerous or suspicious case.

Yost of our cities are also in need of one or more public disinfection stations under skilled management, provided with the best modern means of disinfecting bedding, clothing, &c., and also with portable apparatus which can be sent to and used in an infected house. Another important means of aiding to check the spread of contagious disease, as well as of helping the very poor in their struggle to maintain a de-cent existence in the midst of sore trouble, is a public mortuary, a simple building in or near he poor quarter where the bodies of the dead can be taken immediately after death and properly cared for, and where funeral ceremonies can be performed. The desire to preserve the dead mother or the dead child for two or three days in order to allow time to apprise friends and arrange for the funeral is no less

strong in the poor family than it is in the rich

THE CALL SECTION AND ADDRESS OF THE CALL SECTION AND ADDRESS O

The steamer Portia, from Newfoundland, which has arrived at Halafax, brought Capt. Milne and crew of the British steamer Castle The water supply.

Dantzie via Tyne, with a cargo of sugar for in municipal Philadelphia.

If you are and cannot sleep, try it.

Louise C. Etchison, Lavinia Brown, Sarah Soper and Messrs. J. F. Boyer and John T.

The M. E. Church at Germantown was last Tuesday evening the scene of a large gathering to witness the nuptials of Mr. John L. Best DUNCANSON BROS., Auctioneers. known in this country. Abattoirs, or public slaughter houses, where all animals are examined by skilled inspectors before being the state of the sta and Miss Ida M. Appleby, the ceremony being performed by Rev. R. M. Moore. Mr. H. Frank Metz acted as best man and Miss Bessie Appleby, sister of the bride, as bridesmaid. Messrs. William C. Wyand and C. Scott Duvall served as ushers. Among those present were Rev. R. M. Moore, A. O. Appleby, George Cashell and daughter of Unity, Charles Best of Frederick, Simon D. Best and wife, H. F. Metz, W. C. Wyand, Mrs. H. E. Hanshew and daughter, Misses Emma Best and Bessie Appleby, Mr. Martin Best, Mrs. V. J. Duvall, Mr. C. Hargett and wife, Misses Emma Hawkins, S. Lizzie Fairall, Emma Baker and Mr. George Guy, all of Washington; Messrs. Porter Griffith, C. Scott Duvall and Edward Hanshew, Misses Kate Clagett and Edie Waring of this place.

S. A. M.

NEW TWO-STORY AND CELLAR PRESS-BRICK AND BAY-WINDOWED RESIDENCE, NUM-NEW TWO-STORY AND EXCHANGE AND BAY-WINDOWED RESIDENCE, NUM-NEW TWO-STORY AND EXCHANGE AND BAY-WINDOWED RESIDENCE, NUM-NEW TWO-STORY AND BERGE 54 R STREET, WESTER EKINGTON.

I LOT 27. BLOCK F. M. We Will sell in front of 18 feet on R STREET, WEST ECKINGTON.

This lot provides to a 20-foot alley, and improved by a new well-built things for which they find a more urgent need C. Scott Duvall and Edward Hanshew, Misses

BROOKLAND.

Mr. and Mrs. J. T. Roberts have been making a farewell visit to Rev. and Mrs. R. R. West previous to starting for their future home in Illinois.

Mr. and Mrs. McDonald of University Heights are the recipients of a box of fine subtropical products from their four sons at Gainesville,

Mr. D. P. Moore of Washington has moved into J. S. P. Greene's house in the addition to South Brookland. Miss Minnie Gudgin is on a visit to her University Heights home.
Mrs. J. W. Webb of Eckington, with Master

Boyd and Miss Sarah Webb, were the recent guests of Mrs. Judge Terry. Miss Mary Burr of University Heights is having a very pleasant time during her sojourn in the "palmetto state." The last meeting of the Brookland Pleasure Club was at the home of their secretary, Miss

The Brookland branch of the W. C. T. U.will hold an adjourned open meeting in the Baptist Church on Tuesday evening, May 16. A com-

mittee consisting of Mrs. C. G. Lynch, Mrs. E. S. Morgan and Mrs. Eva Fisher, with Miss Fisher as chairman, will arrange the program for that evening.

Hoitzman for 73% cents per square foot. For John H. Gheen and J. Walter Cooksey, rustees, two-story and basement frame house, to 314 L street southeast, to S. Oppenheimer

For \$625.

For John A. Barthel, trustee, improved property on Bladensburg road near Florida avenue, lot 16x90, to W. E. Poulton for \$1,300.

For S. R. Bond, trustee, small frame house. No. 810 7th street northeast, lot 17x110 feet, to Weller & Repetti for \$1,925.

THE SALE OF THE ABOVE PROPERTY IS

further postponed, in consequence of the storm, until MONDAY AND TUE-DAY, MAY FIRST AND SEC-OND, 1893, same hour and place. By order of the trustees.

THOS. DOWLING & SON, Aucts.

RATCLIFFE, DARK & CO., AUCTIONEERS.

Club was at the home of their secretary, Miss
Buelah Gudgin. The club are provided with
very pretty new badges. The next meeting
will be at the home of John McChesney near
the Sargent read.

VALUABLE UNIMPROVED REAL ESTATE, BEIN: THE SOUTHWEST CORNER OF PENNSTLVANIA AVENUE AND 6TH STREET
SOUTHEAST, AT AUCTION.
On TUESDAY, MAY SECOND, 1803, at FIVE

HOESFORD'S ACID PHOSPHATE, If you are Nervous, ap22-d&ds

Several value supply. For all a this is abundant in quantity, if of it goes to waste through gs, in trickling drops and tiny side do not even next to demants a property of the operations of the Persons Several Research of DUNCANSON BROS., Auctioneers.

TRUSTEES' SALE OF VACANT LOT ON SIXTH STREET BETWEEN C AND D STREETS.
SOUTHEAST.
By virtue of a deed of trust duly recorded in Liber District of Columbia, we will sell, in front of the premise, on WEDNESDAY, THIRD DAY OF MAY, A D.
Ses, on WEDNESDAY, THIRD DAY OF MAY, A D.
Ses, at FIVE O'CLOCK P. M. PROMPT, the following esserthed real estate, situate in the city of Washing described real estate, situate in the city of Washing and below parts of lots numbered 19 to the mount of the purchase and below parts of lots numbered 19 to the mount of the purchase money of the six (6) in the steener of the twenty (20) feet and the city of the balance of purchase money to be paid in two equal installments in six and real two parts of the surface of purchase money to be paid in two equal installments in six and real two purchases money to be paid in two equal installments in six and real two purchases to give the part of the southeast come of the balance of purchase money to be paid in two equal installments in six and real two purchases to give the part of the southeast come of the value of the southeast come of the country of the southeast come of th

AUCTION SALE OF FIVE ACRES OF LAND ON R DGE ROAD, OPPOSITE WESLEY HEIGHTS, THE UNDERSIGNED WILL OFFER FOR SALE AT PUBLIC AUCTION ON THE PREMISES ON WEDNESDAY, MAY THIRD, 1893, AT FIVE O'CLOCK P.M., five (5) acres of valuable land fronting on the Ridge road, near the Methodist University and opposite Wesley Heights.

Terms of sale; Cash. Deposit of \$200 required at time of sale. Terms of sale to be complied with within twenty days, otherwise deposit will be forfelted. Conveyancing at unchaser's cost. Conveyancing at urchaser's cost. 7-6t GEO. C. PAYNE & CO., 613 15th st.

cost of the defaulting purchaser.
MICHAEL J. COLBERT.

THOSE OF INTERIORS. ACCORDANGE AND ADDRESS.

ACCORDANGE ACCORDANGE

DUNCANSON BROS., Auctioneers.

TRUSTEES' SALE OF VALUABLE BUILDING LOTS. CORNER OF 12TH STREET AND FLORIDA AVENUE NORTHEAST, FEONTING 110 FE T ON FLORIDA AVENUE AND 134 FEET 69 INCHES ON 12TH STREET EXTENDED. Fy virtue of a deed of trust duly recorded in liber 1651, foite 15 et seq., on of the land records of the Di triet of Columbia, we will sel in front of the premises on WEDNESDAY, TENT DAY OF MAY, A. D. 1833, at SIX O'CLOCK P. M., the following described land and premises, situate in the county of Washington, District of Columbia, and designated as lo's numbered twentynine (29), thir y (30), thirty-one (31) and trirty-two (32), in block numbered one (1), in the plan of the subdivision of part of Trindad made and laid out by the Washington Brick Mac line Company, and recribed in the office of the surveyor of said District, in book numbered 6, page 120, together with all the Improvements, ways, casements, rig ts, privileges and latentances to the saveable for the privileges and latentances to the saveable for the privileges and latentances to the saveable for the privileges and

felted. Conveyancing at unchaser's cost.

ap27-8t GEO. C. PAYNE & CO., 613 15th st.

C. G. SLOAN & CO., Successors to

C. Latimer & Sloan, Auctioneers, 1407 G st. n.w.

CHANCERY SALE OF VALUABLE IMPROVED REAL ESTATE ON I STREET BETWEFN SIXTH AND SEVENTH STREETS SUTHWEST.

By virtue of a decree of the Supreme Court of the District of Columbia, passed in Fquity Cause No. 146 G, the undersigned trustees will offer for sale at pnoic auction, in front of the premises on WED. NESDAY, THE THIRD DAY OF MAY, 1883, at FIVE O'CLOCK P. M., the following real estate in the city of Washington, D. C.

THE WEST 11 FEET OF LOT 3 AND THE EAST 6 FEET OF LOT 4, IN SQUARE 469.

Terms of sale: One-third cash and the balance in one and two years with interest from the day of sale, the deferred payments to be secured on the property is sold.

Taxes paid to date. All conveyancing and recording at the purchaser's cost. If the terms are not complied with in ten days the property may be resoid at the cost of the defaulting purchaser.

MICHAEL J. COLBERT,

der einer einer der Seine Bergeben ber der Gestellen aus der Gestellen der Der Vollage der Gestellen der Der Vollage der Gestellen der Seine der Gestellen d

AUCTION SALES.

FUTURE DAYS.

SOME PARLOR SUITES, ANTIQUE CHAIRS, MIRROR SCREENS, ELEGANT DINING ROOM SUITE, OF SIDEBOARD, EXTENSION TABLE, CHAIRS, &c.; WINDOW HANGINGS, SUPERB DINNER, TEA AND DESSERT SERVICES, FINE OLD GLASS AND CHINA, FRENCH GILT CLOCK, BEAUTIFUL ORNAMENTS, LAMPS, SUPERB OAK WRITING TABLE, HANDSOME ROLLING AND FLAT-TOP DESKS, CANDELABRAS, DWARF AND UP-RIGHT OAK BOOK CASES, BOOK SHELVES, REMINGTON TYPEWRITER, BRASS AND STEEL FIRE SETS, ODD CHAIRS, BRUS-SELS AND OTHER CARPETS, HANDSOME ROSEWOOD BED ROOM FURNITURE, BEAU-

THE BEST QUALITY.

At the request of Charles C. Glover and James M.
Johnston, executors, we will sell on THURSDAY and
FEIDAY, MAY FOURTH and FIFTH, 1892, commencing at HALF-PAST TEN A. M. each day at the residence of the late Hon. George Bancroft, 1623 H street
northwest, his personal effects, as partly mentioned
above, of which a full and complete description will be
given in the catalogue on exhibition Wednesday, May
3, from 9 a. m. until 5 p. m. Terms cash.

Auctioneers.

ap21-d&d1sts .

AUCTION SALES.

FUTURE DAYS. ATCLIFFE, DARR & CO., Auctioneers.

TRUSTEES' SALE OF VALUABLE IMPROVED PROPERTY KNOWN AS MO. 1704 TENTH ST. N.W., WASHINGTON, D. C.

By virtue of a certain deed of trust dated April 18, 1891, and duly recorded April 21, 1891, in Liber No. 1572, at folio 212 et seq., of the Land Records of the District of Columbia and at the request of the parigin interest, we will sell at public auction, in front of the premises, on MONDAT, MAT EIGHTH, A.D. 1893, AT FIVE O'CLOCK P.M. the following projectly, situate in the city of Washington and District of Elien Yates subdivision of part of original lot No. 1 in square No. 335.

Terms as to cash and deferred payments will be announced at the time of sale. A deposit of \$290 will be regulated when the property is bid in. All convesancing and recording at the cost of purchaser. Terms to be complied with within fifteen days, or property will be resold at purchaser's risk.

WALTER H. ACKER, 1008 AT TRUSTEEL AND ATTUSTEEL AND ATTUST

PROPOSALS.

TIFUL WARDEOBE, PILLOWS AND BOLSTERS, ARMOIRE, CARD TABLES, CHAMBER FURNITURE IN SUITES AND ODD
PIECES, LARGE LOTOF SHEETS, BLANKETS
TABLE CLOTHS, NAPKINS, &c.
S.—MOST OF THE FURNITURE WAS MADE
TO ORDER FOR MR. BANCROFT IN BERLIN,
NEW YORK, &c., AND WILL BE FOUND OF
THE BEST QUALITY.
At the request of Charles C. Glover and James M.
Johnston, executors, we will sell on THURSDAY and
JOHNSTON, EVENUARY BOLD AND STANDAY AND TABLES OF THE BEST, WAS LEADING TO THE SOLUTION OF THE BEST OURLITY.

At the request of Charles C. Glover and James M.
Johnston, executors, we will sell on THURSDAY and
JOHNSTON OF THE SUR PRIMERS.

TAROPORALE POR MOOFING COPPER AND
PORTLAND CEMENT.—Office of building for library of Congress, 145 East Capitol Street, Washington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United Shoet ington, D. C., May 1, 1883.—Separate sealed proposals for funishing and delivering the United S DEOPOSALS FOR MISCELLANEOUS SUPPLIES

RATCLIFFE, DARR & CO., AUCTIONEERS.

DESIRABLE THREE-STORY RRICK RESIDENCE, NO. 1544 COLUMBIA STRUET. NEAR THE OR TURN STRUET. NEAR THE OR THE NO. 1544 COLUMBIA STRUET. NEAR THE STRUET. N